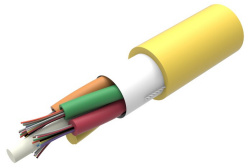


# 760256242 | C-048-LN-5K-M12BK/15D/B2



Fiber Indoor/outdoor Cable, Low Smoke Zero Halogen / 48 fiber Microsheath, Gel-free, Meters jacket marking, Black jacket color, B2ca flame rating

## Product Classification

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Regional Availability</b> | Asia   Australia/New Zealand   EMEA |
| <b>Portfolio</b>             | CommScope®                          |
| <b>Product Type</b>          | Fiber indoor/outdoor cable          |
| <b>Product Series</b>        | C-LN                                |

## General Specifications

|                                     |  |
|-------------------------------------|--|
| <b>Cable Type</b>                   | Stranded microsheath tube  |
| <b>Subunit Type</b>                 | Gel-free   |
| <b>Filler, quantity</b>             | 1  |
| <b>Jacket Color</b>                 | Black  |
| <b>Jacket Marking</b>               | Meters   |
| <b>Jacket Marking Method</b>        | Inkjet   |
| <b>Jacket Marking Text</b>          | COMMSCOPE GB OPTICAL CABLE 760256242 48 x 5K 50/125 EN50575 CLASS B ULSZH [Serial number] [metre mark] |
| <b>Subunit, quantity</b>            | 4  |
| <b>Fibers per Subunit, quantity</b> | 12   |
| <b>Total Fiber Count</b>            | 48   |

## Dimensions

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Cable Length</b>                 | 2000 m   6,561.68 ft |
| <b>Buffer Tube/Subunit Diameter</b> | 1.5 mm   0.059 in    |
| <b>Diameter Over Jacket</b>         | 6.7 mm   0.264 in    |

## Mechanical Specifications

|   |                    |
|---|--------------------|
| <b>Minimum Bend Radius, loaded</b>      | 150 mm   5.906 in  |
| <b>Minimum Bend Radius, unloaded</b>    | 100 mm   3.937 in  |
| <b>Tensile Load, long term, maximum</b> | 150 N   33.721 lbf |

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|  |                        |
|--|------------------------|
| <b>Tensile Load, short term, maximum</b> | 480 N   107.908 lbf    |
| <b>Cable Crush Resistance, maximum</b>   | 10 N/mm   57.101 lb/in |
| <b>Compression Test Method</b>           | IEC 60794-1-21 E3      |
| <b>Impact</b>                            | 2 N-m   17.701 in lb   |
| <b>Impact Test Method</b>                | IEC 60794-1-21 E4      |
| <b>Strain Test Method</b>                | IEC 60794-1-21 E1      |
| <b>Twist</b>                             | 5 cycles               |
| <b>Twist Test Method</b>                 | IEC 60794-1 E7         |

## Optical Specifications

|                   |                 |
|-------------------|-----------------|
| <b>Fiber Type</b> | OM4, LazrSPEED® |
|-------------------|-----------------|

## Optical Specifications, Wavelength Specific

|                             |   |
|-----------------------------|---|
| <b>Attenuation, maximum</b> | 1.00 dB/km @ 1,300 nm   3.00 dB/km @ 850 nm |
|-----------------------------|---|

## Environmental Specifications

|   |  |
|---|--|
| <b>Operating Temperature</b>                        | -40 °C to +70 °C (-40 °F to +158 °F)     |
| <b>EN50575 CPR Cable EuroClass Fire Performance</b> | B2ca                                     |
| <b>EN50575 CPR Cable EuroClass Smoke Rating</b>     | s1a                                      |
| <b>EN50575 CPR Cable EuroClass Droplets Rating</b>  | d0                                       |
| <b>EN50575 CPR Cable EuroClass Acidity Rating</b>   | a1                                       |
| <b>Environmental Space</b>                          | Universal Low Smoke Zero Halogen (ULSZH) |
| <b>Water Penetration Test Method</b>                | IEC 60794-1 F5                           |

## Environmental Test Specifications

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| <b>Temperature Cycle</b>             | -40 °C to +70 °C (-40 °F to +158 °F) |
| <b>Temperature Cycle Test Method</b> | IEC 60794-1-22 F1                    |

## Packaging and Weights

|                     |                            |
|---------------------|----------------------------|
| <b>Cable weight</b> | 48.9 kg/km   32.859 lb/kft |
|---------------------|----------------------------|

## Included Products

|          |   |
|----------|---|
| CS-5K-LT | – LazrSPEED® 550 OM4 Bend-Insensitive Multimode Fiber |
|----------|---|

\* Footnotes

**Operating Temperature** Specification applicable to non-terminated bulk fiber cable